

ABSTRACT

The invention is concerned with a system for modulating an information signal in a telecommunication system. The communication system makes use of spreading codes in the modulation to discriminate between user signals. The codes are allocated for incoming requests by selection from one or more code structures having codes of different bit rates. The system is characterized by the steps of noting the bit rate of a code to be allocated for an incoming request, determination of the availability of the different codes having the desired bit rate, and allocating a code in accordance with pre-selected rules by taking the availability of the different codes into consideration in a way leading to an optimal use of the code structure(s). The apparatus of the invention comprises means for performing the system of the invention. The algorithm of the invention performs the allocation system of the invention in form of a computer program in accordance with certain rules.

FIG. 2